

sustainable
sanitation
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SuSanA Open
Exchange Forum

India

Chapter

Sanitation First & Wherever the Need India Services

INNER CITY SANITATION CHENNAI, INDIA



sanitationfirst.org

Tel: +44 (0)1225 723673

Email:

david@sanitationfirst.org

David Crossweller
Sanitation First
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Chennai, India

- Sanitation First UK
- Wherever the Need India Services (WTNIS)
- Working in India since 2000 addressing sanitation needs
- We provide GroSan (i.e. UDDT) toilets – all of our projects start with a toilet
- We have constructed, installed, and managed over 3,500 toilets in rural, school and urban locations
- In 2010, we began researching and trialing the Inner City Sanitation (ICS) solution





Baseline survey: 46% adults and 35% school children had missed 10 + working/school days in previous 6 months due to diarrhea

45,591 people living in Puducherry slums: 17.43% of the total population

Majority of slums dwellers do not have access to basic sanitation

Public toilets, where they exist, may be too far away from slums to be of practical use



- UDDT ecological toilet
- GroSan toilets operate on a container based model – containers are regularly and safely collected before being transported to a secure compound
- Adapted to meet needs of slum environments: semi-permanent units, free to use, basic hand washing facilities, low-tech solution designed to function efficiently in difficult, space-restricted slums
- Waste is naturally treated to make compost which is sold into the agricultural marketplace
- The ICS model generates revenue from the sale of compost and will become profitable in year 2
- ICS operational costs are approximately 3.5 c



3 slum
areas
targeted

42
GroSan
toilets
installed

1,704
people
benefite
d

“The headline results for the Inner City Sanitation (ICS) in Pondicherry show stark changes in the lives of the communities benefiting from Sanitation First’s support.

This data the team have been able to collect illustrates how, in just over a year, the WASH interventions have had a huge impact on the health and economic status of people in Pondicherry.”

(Emma Broadbent, Review of results and development of the M&E framework, March 2016)

1. BETTER HEALTH

17% decrease in cases of diarrhoea

2. MORE INCOME

Households are 34% better off

3. FEWER EXPENSES

42% decrease in healthcare expenditure

4. MORE WORKING DAYS GAINED

Missed work days reduced by 62%

5. MORE SCHOOL DAYS GAINED

Missed school days reduced by 63%



sanitation
first

2020 VISION

4 Indian Cities

(Chennai, Mumbai, Varanasi and Delhi)

150,000 Indian slum dwellers

2,500 GroSan toilets

Sanitation First has the required experience and expertise and is ideally placed to deliver this vision.

- 10 years operating in India with a professional, well qualified team.
- Additional experience delivering sanitation projects in Zambia, Kenya and Sierra Leone
- Installed and managed over 3,500 eco san toilets in rural, school and urban locations
- Strong, historically developed relationships with government officials and the Chennai Corporation

There is an urgent and desperate need for sanitation in Chennai Slums:

Over 1.4 million
people live in
Chennai Slums



Vast majority of these people
are served by just 714 toilets
(1,190 users per toilet)

Existing public toilets are
located in the 'wrong'
places, locked at night, and
unaffordable








Only 25% of these toilets were
found to be in a clean, hygienic
condition





The dramatic results from Pondicherry can be extrapolated to forecast the expected outcomes from our work in Chennai.

	 PER FAMILY	 ICS COMMUNITY OF 1,200 FAMILIES
MONEY 	₹56,279 PER ANNUM BETTER OFF	₹6.75 crore BACK INTO THE LOCAL ECONOMY
WORK 	12 EXTRA WORK DAYS PER ANNUM	2800 WORKING WEEKS OF INCREASED LOCAL PRODUCTIVITY
EDUCATION 	7 EXTRA DAYS SPENT IN SCHOOL EVERY YEAR	43 ADDITIONAL YEARS OF SCHOOL ATTENDANCE.



THANK YOU

Please visit us at sanitationfirst.org

Contacts:

david@sanitationfirst.org

paramasivan@wherevertheneed.org.in

louise@sanitationfirst.org

abraham@wherevertheneed.org.in